

## Solenoid Air Valve 85020 and 5025 Series


Norgren GT Development introduced its first solenoid valve in the early 1980's, and saw it become an industry standard for fan clutch control applications. Since then, GT has made ongoing improvements to the packaging of the product, offering a wide variety of electrical and pneumatic configurations tailored to unique customer requirements.




### Performance

Application	Solenoid air valve, 12 volt with Diode, 1/8-27 NPTF
Exposure Temperature	200°F max. (energized)
Operating Voltage	12 volt nominal (11-16 volts operating)
Drop Out Voltage	1 volt drop out minimum
Power	6 Watts nominal power
Resistance	11 volts max. pull-in @ 150 psig, 200°F
Pressure Rating	150 PSIG (10.34 bars)
Flow Rate	.0035 lbs/sec (2.77 SCFM) minimum with 120 PSIG inlet pressure
Equivalent Orifice	0.047 diameter (cd = 0.65)
Leakage	Less than 20 SCCM
Air Connections	1/8-27 NPTF
Electrical Connections	5025-1: Machined crimped and soldered, Packard Weather Pack sealed connector 85020-0: Stripped 7/32"
Transient Suppression	Rectifier diode IN40041 (5025-1)
Materials	Steel body, brass manifold, Viton seats

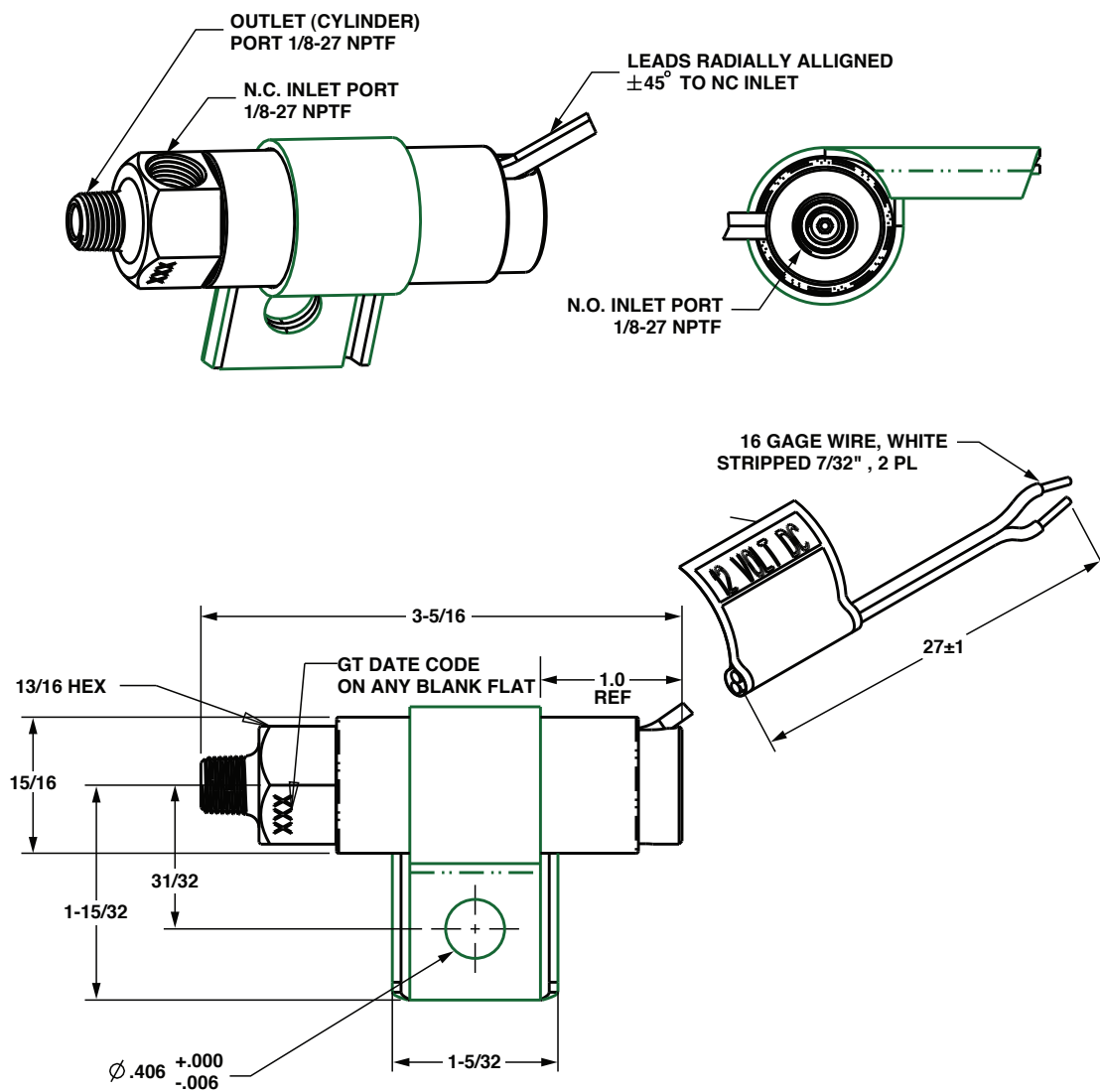
### Accessories

Inline filter	Part Number	Port size	Filter element	Thread type
	5050	1/8"-27	180 µm	NPTF

Exhaust vent shield	Part Number	Port size	Thread type
	5060-1	1/8"-27	NPT

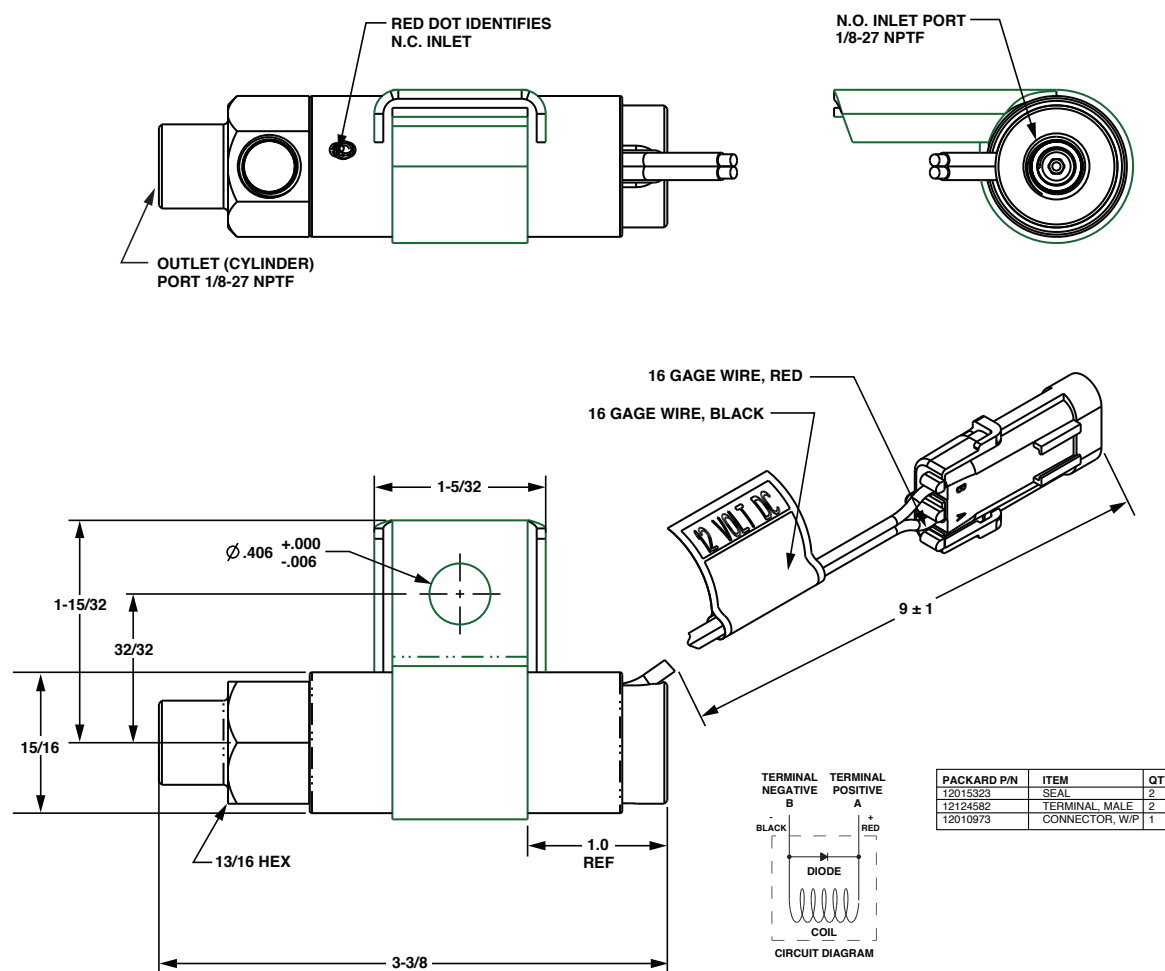
Dimensions (Inches)

85020-1



## Dimensions (Inches)

### 5025-1



## Warning

Improper selection, misuse, age or malfunction of components used in commercial vehicle systems can cause failure in various modes. The system designer is warned to consider the failure modes of all component parts used in commercial vehicle systems and to provide adequate safeguards to prevent personal injury or damage to equipment or property in the event of such failure modes. System designers and end users are cautioned to consult instruction sheets and specifications available from the factory. The system designer/end user is responsible for verifying that all requirements for the application are met.

## Warranty

The products described herein are warranted subject to seller's Standard Terms and Condition of Sale, available at seller's website.